Configuration Management's Role in Releases

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Where Configuration Management Fits In

```
Build → Test → Deploy → Configure
```

Configures deployed infrastructure

Maintains configuration over time

Configuration Management Choices

Desired State Configuration (DSC)

No agent

Chef

Agent

Ansible
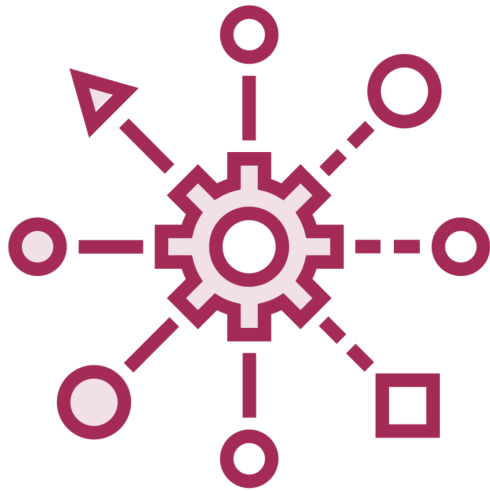
No agent

Puppet

Agent

cloud-init (Linux-only)

No agent

Microsoft's Answer to Configuration Management

Configuration management

DSC in the cloud

Build —> Compile —> Apply

Example DSC Configuration

```
configuration InstallIIS {

    node "localhost" {

        WindowsFeature IIS {

            Ensure = "Present"

            Name = "Web-Server"

        }

    }

}
```

Onboarding an Azure VM to Azure State Configuration

1. Import existing configuration

2. Compile the configuration

3. Onboard into Azure Automation State Configuration

4. Assign a node configuration

5. Check the node status

Summary

Azure State Configuration

DSC configurations

~1% questions